CONTENTS Volume 63 2000

Volume 63 No. 1

Shoot organogenesis from petiole explants in the aquatic plant *Nymphoides indica*
M.A. Jenks, M.E. Kane, D.B. McConnell **1–8**

Relationship between the concentration of macroelements, their uptake and multiplication of cherry rootstock Gisela 5 *in vitro*
Đ. Ružić, M. Sarić, R. Cerović, L. Ćulafić **9–14**

Cell suspension culture and plant regeneration in the latex-producing plant, *Calotropis gigantea* (Linn.) R. Br.
A.T. Roy, A. Koutoulis, D.N. De **15–22**

Micropropagation of the critically endangered Western Australian species, *Symonanthus bancroftii* (F. Muell.) L. Haegi (Solanaceae)
M. Panaia, T. Senaratna, E. Bunn, K.W. Dixon, K. Sivasithamparam **23–29**

TDZ-specific plant regeneration in salad burnet
M. Babaoglu, M. Yorgancilar **31–34**

Effects of free and chelated iron on *in vitro* androgenesis in barley and wheat
J. Novotný, J. Vagera, L. Ohnoutková **35–40**

Cryopreservation of *in vitro*-grown shoot tips of grapevine by encapsulation-dehydration
Q. Wang, E. Tanne, A. Arav, R. Gafny **41–46**

Effect of 2,4-D and light quality on callus production and differentiation from *in vitro* cultured quince leaves
S. Morini, C. D'Onofrio, G. Bellocchi, M. Fisichella **47–55**

Effect of activated charcoal and 6-benzyladenine on *in vitro* nitrogen uptake by *Lagerstroemia indica*
E. Eymar, J. Alegre, M. Toribio, D. López-Vela **57–65**

Mass multiplication of protocorm-like bodies using bioreactor system and subsequent plant regeneration in *Phalaenopsis*
P.S. Young, H.N. Murthy, P.K. Yoeup **67–72**

Research notes

A study on floral biology of seedlings *in vitro* in *Orychophragmus violaceus*: Induction of flowers in seedlings of *O. violaceus* cultured *in vitro*
P. Luo, Q. Ye, Z.-q. Lan **73–75**

Gelling agent influences the detrimental effect of kanamycin on adventitious budding in flax
E. Laine, F. Lamblin, J. Lacoux, P. Dupre, D. Roger, D. Sihachakr, A. David **77–80**

Plant regeneration from embryogenic cultures of *Phragmites australis* (Cav.) Trin. Ex Steud.
C. Máthé, M.M. Hamvas, I. Grigorszky, G. Vasas, E. Molnár, J.B. Power, M.R. Davey, G. Borbély **81–84**

Volume 63 No. 2

***Rollinia mucosa* cell suspension cultures: Establishment and growth conditions**
S.F.L. Figueiredo, C. Simões, N. Albarello, V.R.C. Viana **85–92**

Micropropagation of Chokecherry and Pincherry cultivars
K.W. Pruski, T. Lewis, T. Astatkie, J. Nowak **93–100**

Regeneration of somatic embryos and roots from quince leaves cultured on media with different macroelement composition
M. Fisichella, E. Silvi, S. Morini **101–107**

A hypocotyl-derived somatic embryogenic system in *Brassica juncea* Czern & Coss and its manipulation for enhanced storage lipid accumulation
A. Kumari, G.S. Cheema, S.K. Munshi **109–120**

Induction of tetraploidy in *Buddleia globosa*
J.B. Rose, J. Kubba, K.R. Tobutt **121–125**

Chromosome doubling in sterile *Syringa vulgaris* × *S. pinnatifolia* hybrids by *in vitro* culture of nodal explants
J.B. Rose, J. Kubba, K.R. Tobutt **127–132**

Different media requirements for micropropagation of apricot cultivars
O. Pérez-Tornero, L. Burgos **133–141**

Anatomical and biochemical characterization of the calcium effect on *Eucalyptus urophylla* callus morphogenesis *in vitro*
S.C.C. Arruda, G.M. Souza, M. Almeida, A.N. Gonçalves **143–154**

Research notes

Somatic embryogenesis in Flax
D.H. Tejavathi, G. Lakshmi Sita, A.T. Sunita **155–159**

Isolation and production of artemisinin and stigmasterol in hairy root cultures of *Artemisia annua*
D. Xie, L. Wang, H. Ye, G. Li **161–166**

Volume 63 No. 3

The improvement in regenerated doubled haploids from anther culture of wheat by anther transfer
A. Redha, S.M.S. Islam, B. Büter, P. Stamp, J.E. Schmid **167–172**

Influence of auxins and darkness on *in vitro* rooting of micropropagated shoots from mature and juvenile *Acacia mangium*
O. Monteuuis, M.-C. Bon **173–177**

Micropropagation of *Centella asiatica* (L.), a valuable medicinal herb
K.N. Tiwari, N.C. Sharma, V. Tiwari, B.D. Singh **179–185**

Hormonal and histological studies related to *in vitro* banana bud formation
G.R. Zaffari, G.B. Kerbauy, J.E. Kraus, E.C. Romano **187–192**

***In vitro* plantlet production system for *Kaempferia galanga*, a rare Indian medicinal herb**
F. Shirin, S. Kumar, Y. Mishra **193–197**

Effects of saline and osmotic stress on proline and sugar accumulation in *Populus euphratica in vitro*
S. Watanabe, K. Kojima, Y. Ide, S. Sasaki **199–206**

Impact of culture vessel ventilation on the anatomy and morphology of micropropagated carnation
J.P. Majada, F. Tadeo, M.A. Fal, R. Sánchez-Tamés **207–214**

Sucrose and light effects on *in vitro* cultures of potato, chokecherry and saskatoon berry during low temperature storage
K. Pruski, T. Kozai, T. Lewis, T. Astatkie, J. Nowak **215–221**

Research notes

A comparison of *in vitro* with *in vivo* flowering in Gentian
Z. Zhang, D.W.M. Leung **223–226**

High frequency somatic embryogenesis and plant regeneration in zygotic embryo cultures of *Liriope platyphylla* Wang et Tang
S.W. Kim, S.C. Oh, D.S. In, J.R. Liu **227–229**

Micropropagation of *Pittosporum napaulensis* (DC.) Rehder & Wilson – a rare, endemic Himalayan medicinal tree
U. Dhar, J. Upreti, I.D. Bhatt **231–235**

Instructions for authors **237–241**

Author index **243**

Contents Volume 63 **245–247**